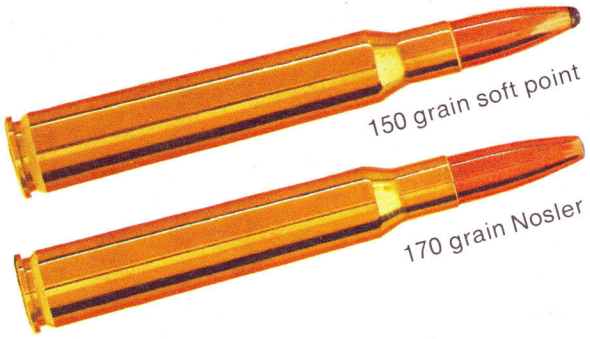
norma
308
norma
norma
WARNING
KEEP OUT OF THE REACH OF CHILDREN
20
Cartridges
222 REM
308 NORMA MAGNUM
norma
Cases
222 REM.
norma
BULLETS
norma
PRIMERS
WARNING
norma
SMOKELESS POWDER
DANGER
EXTREMELY FLAMMABLE
KEEP AWAY FROM HEAT OR OPEN FLAME
WARNING KEEP OUT OF THE REACH OF CHILDREN
NORMA PROJEKTILFABRIK
AMOTFORS - SWEDEN
203
NET WEIGHT 400 GRAMS
norma
WARNING - KEEP OUT OF THE REACH OF CHILDREN
20
Cartridges
30-06
norma
WARNING - KEEP OUT OF THE REACH OF CHILDREN
Cartridges
7,5x55
(SCHMIDT RUBIN)
norma

New: norma 7x64!



Upon many requests, Norma has taken up production of the 7 × 64 mm rifle cartridge, a very popular sporting round in central Europe. Bullets are the 150 grain soft point and 170 grain Nosler.

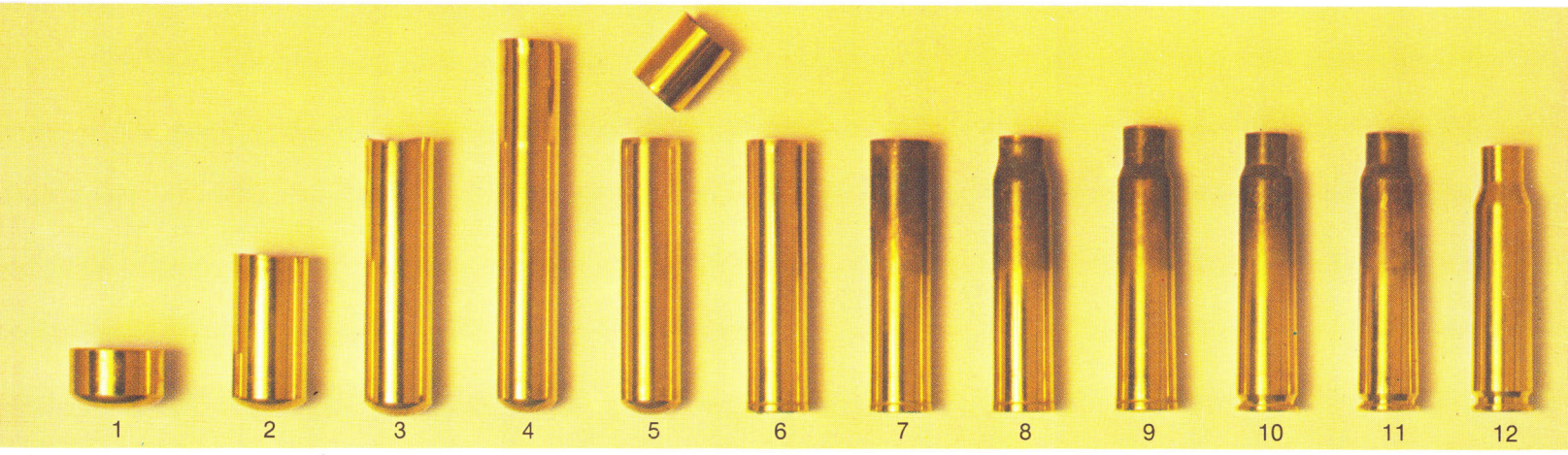
Cartr. index no.	Bullet weight grains	grams	Bullet style	Bullet length inch.	Bullet diam. inch.	Bullet index no.	Case index no.
17013	150	9.7	Soft point semi pointed	1.15	.283	67002	27012
17014	175	11.3	Soft point Nosler	1.34	.283	67036	27012

Norma primer	Cartr. length inch.	Norma powder no.	Load grains	grams	Press. psi	Velocity — Feet per sec. Muzzle	100 yards	200 yards	300 yards	Energy — Foot pounds Muzzle	100 yards	200 yards	300 yards
LR	2.13	205	58.8	3.81	48500	2950	2681	2431	2223	2897	2388	1963	1641
LR	2.13	205	56.6	3.67	49250	2750	2600	2455	2325	2940	2615	2332	2092

⊕ indicates preferable sighting range with line of sights 1½" above center of bore.
+ indicates point of impact in inches above, — in inches below sighting point.

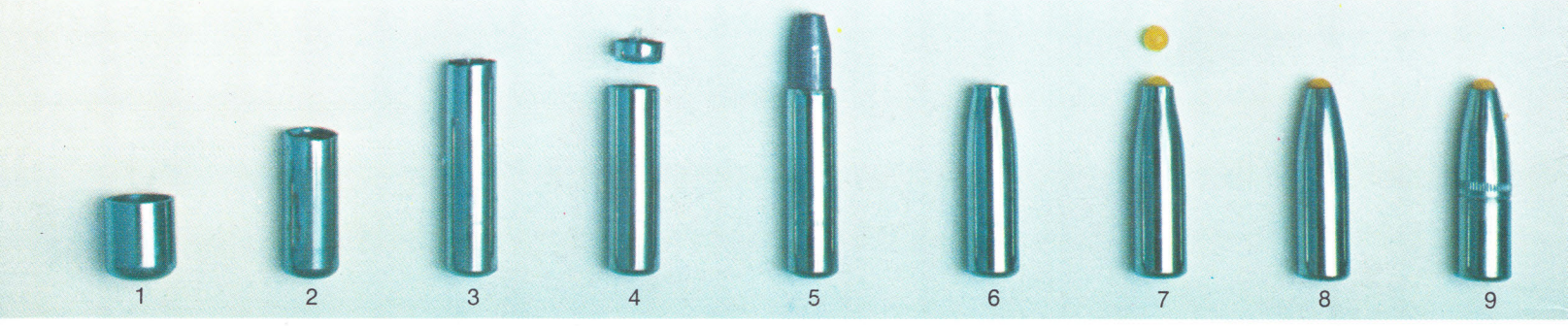
25 yards	50 yards	100 yards	150 yards	200 yards	250 yards	300 yards	400 yards	500 yards
–0.5	+0.4	+1.6	+1.5	⊕	–2.9	–7.0	–20.5	–40.5
–0.5	+0.5	+1.4	+1.3	⊕	–2.5	–6.4	–18.2	–37.2

How a norma cartridge case is made:



1. Brass cup
2. First draw
3. Second draw
4. Third draw
5. Trimming
6. Heading
7. Annealing
8. First necking
9. Second necking
10. Extractor groove cutting and mouth trim
11. Flashhole drilling
12. Finished case after mouth anneal and polishing.

How a norma DUAL-CORE® bullet is made:



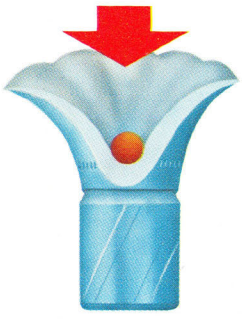
1. Jacket cup
2. First draw
3. Second draw
4. Trimming
5. Inserting lead core
6. Forming
7. Inserting plastic point
8. Final forming
9. Finished bullet after canneluring and polishing.

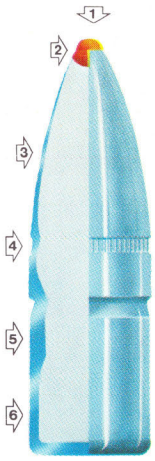
The breech pressures shown are the maximum permitted for the caliber in question according to international agreements. Where such agreement does not yet exist, the table shows the maximum permitted breech pressure according to our own standards. The breech pressure of our factory loaded ammunition is normally 10 to 20% below the maximum level.

Ⓣ = Norma TRI-CLAD bullet, a soft steel jacket covered with gilding metal or nickel alloy on both sides preventing corrosion and barrel wear.

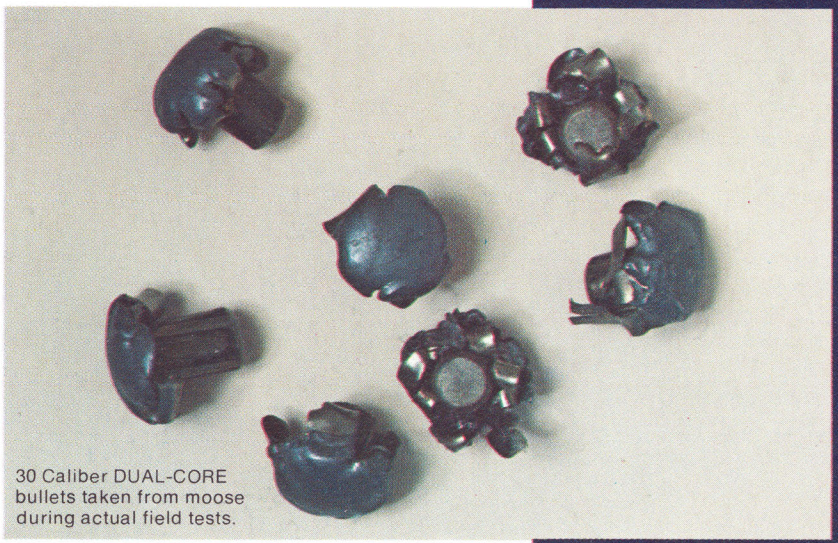
New DUAL-CORE® plastic pointed!

This is the latest Norma DUAL-CORE bullet design – a tiny plastic expander ball does away with point deformation in the magazine and really helps producing that "perfect mushroom" you've heard so much about . . .

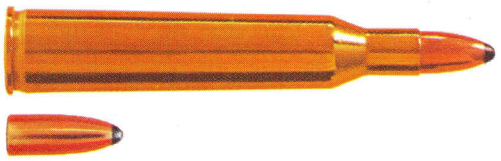




1. New design with plastic expander.
2. No point deformation in magazine.
3. Thin front portion of jacket with 12 internal grooves for perfect mushrooming.
4. Identification cannelure.
5. Lead/antimony core.
6. New jacket reinforcement controls expansion and retains lead core.



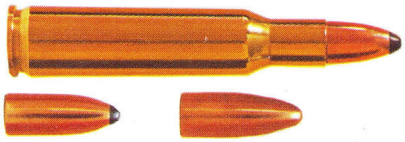
30 Caliber DUAL-CORE bullets taken from moose during actual field tests.



65701 · 50 gr/3,2 g

220 SWIFT

Cartr. index no.	Bullet weight grains	Bullet weight grams	Bullet style	Bullet length inch.	Bullet diam. inch.	Bullet index no.	Case index no.
15701	50	3.2	Soft point semi pointed	.65	.224	65701	25701



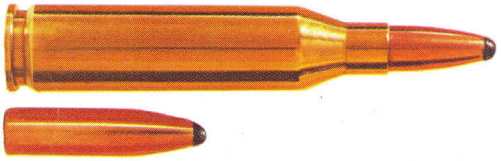
65701 · 50 gr/3,2 g 65702 · 50 gr/3,2 g

222 REM.

15711	50	3.2	Soft point semi pointed	.65	.224	65701	25711
15712	50	3.2	Full jacket semi pointed	.63	.224	65702	25711

22-250

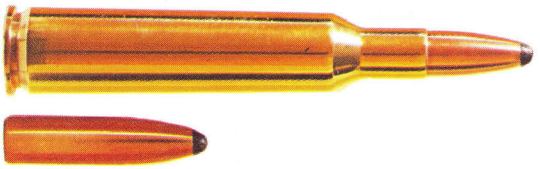
15732	55	3.6	Soft point semi pointed	.70	.224	—	25731



66003 · 100 gr/6,5 g Ⓣ

243 WIN.

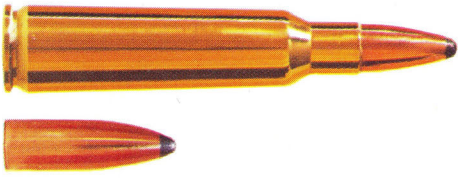
16003	100	6.5	Soft point semi pointed	.98	.243	66003	26001



66003 · 100 gr/6,5 g Ⓣ

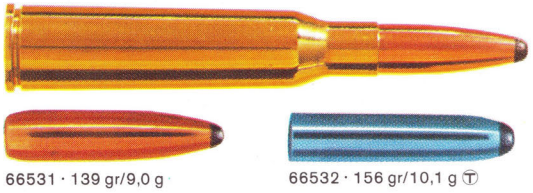
6 MM REM.

16011	100	6.5	Soft point semi pointed	.98	.243	66003	26011



250 SAVAGE

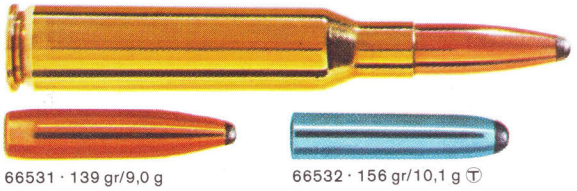
16301	87	5.6	Soft point semi pointed	.86	.257	—	26301



66531 · 139 gr/9,0 g 66532 · 156 gr/10,1 g Ⓣ

6.5 JAP.

16531	139	9.0	Soft point semi pointed boattail	1.22	.264	66531	26531
16532	156	10.1	Soft point round nose	1.12	.264	66532	26531



66531 · 139 gr/9,0 g 66532 · 156 gr/10,1 g Ⓣ

6.5 × 54 MS

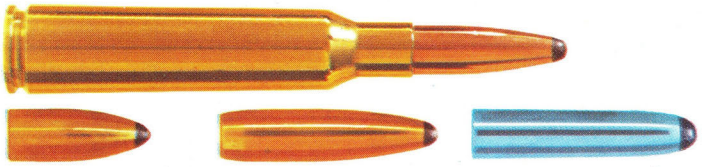
16545	139	9.0	Soft point semi pointed boattail	1.22	.264	66531	26545
16546	156	10.1	Soft point round nose	1.12	.264	66532	26545

norma BALLISTICS

Norma primer	Cartr. length inch.	Norma powder no.	Load grains	Load grams	Press. psi	Velocity — Feet per sec. Muzzle	100 yards	200 yards	300 yards	Energy — Foot pounds Muzzle	100 yards	200 yards	300 yards	⊕ indicates preferable sighting range with line of sights 1½" above center of bore. + indicates point of impact in inches above, — in inches below sighting point. 25 yards	50 yards	100 yards	150 yards	200 yards	250 yards	300 yards	400 yards	500 yards
LR	2.62	203	40.9	2.65	54400	4110	3611	3133	2681	1877	1448	1090	799	—0.9	—0.4	+0.1	⊕	—0.9	—2.7	—5.6	—15.2	—30.7
SR	2.11	200	21.0	1.36	47000	3200	2650	2170	1750	1137	780	520	340	—0.6	+0.1	+0.7	⊕	—2.2	—6.2	—12.5	—34.1	—73.4
SR	2.11	200	21.0	1.36	47000	3200	2610	2080	1630	1137	756	480	295	—0.6	+0.1	+0.7	⊕	—2.3	—6.7	—13.6	—38.2	—84.1
LR	2.32	203	38.0	2.46	51500	3650	3200	2780	2400	1637	1251	944	704	—0.8	—0.2	+0.3	⊕	—1.3	—3.7	—7.4	—19.5	—39.7
LR	2.62	204	45.1	2.92	52900	3070	2790	2540	2320	2090	1730	1430	1190	—0.6	±0.0	+0.6	⊕	—1.8	—4.9	—9.4	—23.1	—43.7
LR	2.82	205	47.1	3.05	54400	3190	2920	2660	2420	2260	1890	1570	1300	—0.6	±0.0	+0.5	⊕	—1.2	—4.5	—8.7	—22.7	—42.2
LR	2.44	203	35.3	2.29	47000	3030	2660	2330	2060	1770	1370	1050	820	—0.6	+0.1	+0.7	⊕	—2.0	—5.6	—10.9	—26.9	—50.6
LR	2.82	203	32.8	2.12	32600	2428	2280	2130	1990	1820	1605	1401	1223	—0.2	+0.6	+1.1	⊕	—2.9	—7.8	—14.7	—35.4	—66.1
LR	2.89	203	29.3	1.90	32600	2067	1871	1692	1529	1481	1213	992	810	+0.2	+1.3	+1.9	⊕	—4.7	—12.4	—23.4	—57.2	—109.1
LR	2.93	203	37.8	2.45	47000	2575	2420	2270	2120	2056	1808	1591	1388	—0.4	+0.4	+1.0	⊕	—2.5	—6.8	—11.8	—31.1	—58.8
LR	3.01	203	37.5	2.43	47000	2461	2240	2033	1840	2098	1738	1432	1173	—0.2	+0.6	+1.2	⊕	—3.1	—8.3	—15.8	—38.9	—74.6

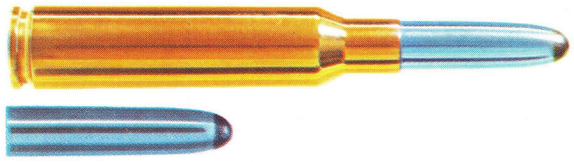
24 inch barrel length.

norma CENTERFIRE RIFLE CARTRIDGES, BULLETS AND BRASS CASES



66551 · 77 gr/5,0 g Ⓣ 66531 · 139 gr/9,0 g 66532 · 156 gr/10,1 g Ⓣ

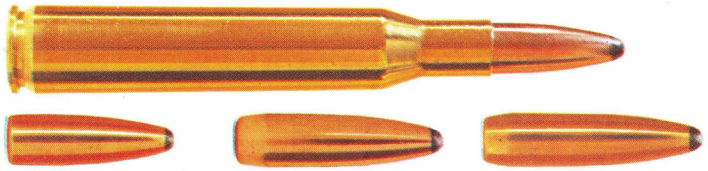
Cartr. index no.	Bullet weight grains	Bullet weight grams	Bullet style	Bullet length inch.	Bullet diam. inch.	Bullet index no.	Case index no.
6.5 × 55							
16550	77	5.0	Soft point semi pointed	.69	.264	66551	26551
16551	139	9.0	Soft point semi pointed boattail	1.22	.264	66531	26551
16552	156	10.1	Soft point round nose	1.12	.264	66532	26551



66532 · 156 gr/10,1 g Ⓣ

6.5 CARCANO

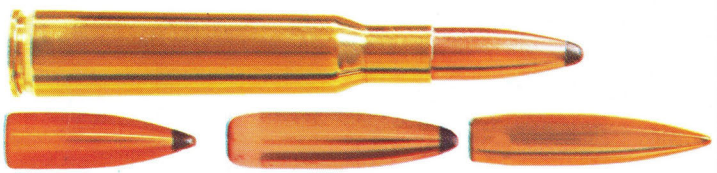
16535	156	10.1	Soft point round nose	1.12	.264	66532	26535



110 gr/7,1 g 66902 · 130 gr/8,4 g Ⓣ 66903 · 150 gr/9,7 g Ⓣ

270 WIN.

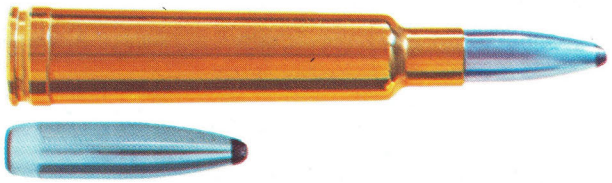
16901	110	7.1	Soft point semi pointed	.95	.277	—	26901
16902	130	8.4	Soft point semi pointed boattail	1.09	.277	66902	26901
16903	150	9.7	Soft point semi pointed boattail	1.21	.277	66903	26901



67001 · 110 gr/7,1 g 67002 · 150 gr/9,7 g Ⓣ 150 gr/9,7 g Ⓣ

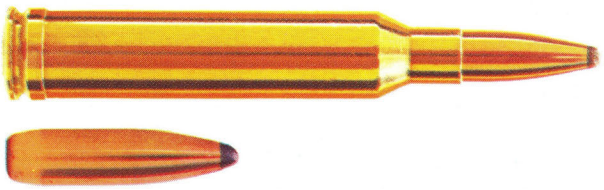
7 × 57

17001	110	7.1	Soft point semi pointed	.91	.283	67001	27001
17002	150	9.7	Soft point semi pointed boattail	1.15	.283	67002	27001
17003	150	9.7	Full jacket pointed boattail	1.24	.283	—	27001



SUPER 7 × 61

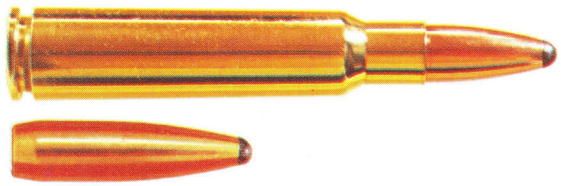
17012	150	9.7	Soft point semi pointed boattail	1.15	.283	67002	27011



67002 · 150 gr/9,7 g Ⓣ

7 MM REM. MAGNUM

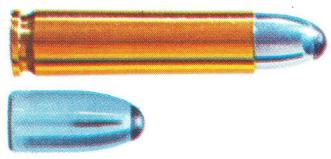
17021	150	9.7	Soft point semi pointed boattail	1.15	.283	67002	27021



67625 · 180 gr/11,6 g Ⓣ

7.5 × 55

17511	180	11.6	Soft point semi pointed boattail	1.22	.308	67625	27511



67621 · 110 gr/7,1 g Ⓣ

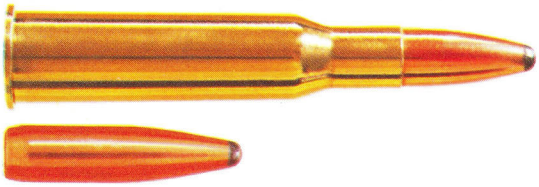
30 US CARBINE

17621	110	7.1	Soft point round nose	.69	.308	67621	27620

norma BALLISTICS

Norma primer	Cartr. length inch.	Norma powder no.	Load grains	Load grams	Press. psi	Velocity — Feet per sec. Muzzle	100 yards	200 yards	300 yards	Energy — Foot pounds Muzzle	100 yards	200 yards	300 yards	⊕ indicates preferable sighting range with line of sights 1 1/4" above center of bore. + indicates point of impact in inches above, — in inches below sighting point. 25 yards	50 yards	100 yards	150 yards	200 yards	250 yards	300 yards	400 yards	500 yards
LR	2.62	200	33.2	2.15	45600	2725	2362	2030	1811	1271	956	706	562	–0.3	+0.4	+1.0	⊕	–2.8	–7.7	–13.3	–39.2	–79.3
LR	2.99	204	46.6	3.02	45600	2788	2630	2470	2320	2402	2136	1883	1662	–0.2	+0.7	+1.8	+1.6	⊕	–3.0	–7.5	–21.4	–42.8
LR	3.07	204	44.2	2.86	45600	2493	2271	2062	1867	2153	1787	1473	1208	–0.3	+0.6	+1.1	⊕	–3.0	–8.0	–15.4	–37.8	–72.4
LR	2.97	200	27.5	1.78	38200	2000	1810	1640	1485	1386	1135	932	764	+0.3	+1.5	+2.1	⊕	–5.0	–13.2	–25.0	–61.0	–116.1
LR	3.15	204	59.1	3.83	52900	3250	2966	2694	2435	2578	2150	1773	1448	–0.5	+0.3	+1.2	+1.2	⊕	–2.4	–6.0	–18.0	–37.3
LR	3.15	204	57.0	3.69	52900	3140	2884	2639	2404	2847	2401	2011	1669	–0.4	+0.4	+1.3	+1.2	⊕	–2.5	–6.4	–18.8	–38.6
LR	3.23	204	52.4	3.39	52900	2800	2616	2436	2262	2616	2280	1977	1705	–0.2	+0.8	+1.8	+1.6	⊕	–3.0	–7.7	–22.3	–44.8
LR	2.87	203	45.8	2.97	50000	3067	2792	2528	2277	2300	1904	1561	1267	–0.6	±0.0	+0.6	⊕	–1.8	–5.0	–9.7	–24.4	–47.4
LR	3.05	203	44.1	2.86	50000	2756	2539	2331	2133	2530	2148	1810	1516	–0.5	+0.3	+0.8	⊕	–2.3	–6.2	–11.8	–29.0	–55.5
LR	3.07	203	44.1	2.86	50000	2756	2539	2331	2133	2530	2148	1810	1516	–0.5	+0.3	+0.8	⊕	–2.3	–6.2	–11.8	–29.0	–55.5
LR	3.19	205	67.4	4.37	53000	3150[1]	2866	2604	2360	3295	2728	2252	1850	–0.4	+0.4	+1.3	+1.3	⊕	–2.6	–6.7	–19.3	–39.0
LR	3.29	205	71.4	4.63	59900	3260[1]	2970	2700	2450	3540	2945	2435	1990	–0.5	+0.3	+1.2	+1.2	⊕	–2.3	–6.0	–17.6	–36.0
LR	2.91	204	52.2	3.38	43000	2650	2441	2248	2056	3060	2380	2020	1690	–0.4	+0.4	+1.0	⊕	–2.6	–7.0	–13.3	–31.5	–62.1
SR	1.67	—	—	—	34800	1970[2]	1595	1300	1090	948	622	413	290	+0.6	+2.0	+2.7	⊕	–7.0	–19.1	–37.5	–97.2	–194.2

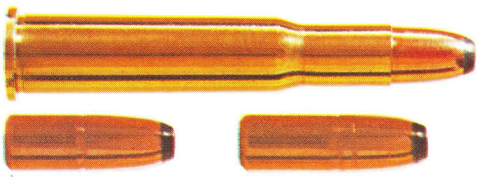
24 inch barrel length. [1]) 26 inch barrel length. [2]) 18 inch barrel length.



67625 · 180 gr/11,6 g Ⓣ

7.62 RUSSIAN

Cartr. index no.	Bullet weight grains	Bullet weight grams	Bullet style	Bullet length inch.	Bullet diam. inch.	Bullet index no.	Case index no.
17634	180	11.6	Soft point semi pointed boattail	1.22	.308	67625	27634

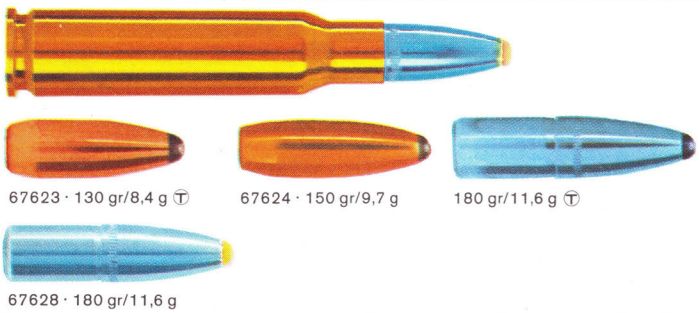


67630 · 150 gr/9,7 g

67631 · 170 gr/11,0 g

30-30 WIN.

17630	150	9.7	Soft point flat nose	.91	.308	67630	27630
17631	170	11.0	Soft point flat nose	.98	.308	67631	27630



67623 · 130 gr/8,4 g Ⓣ

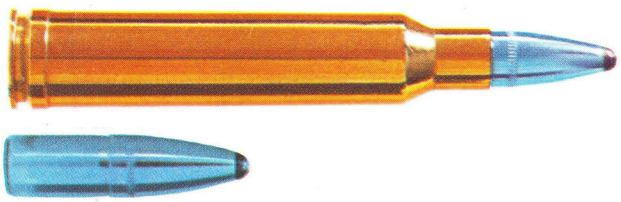
67624 · 150 gr/9,7 g

180 gr/11,6 g Ⓣ

67628 · 180 gr/11,6 g

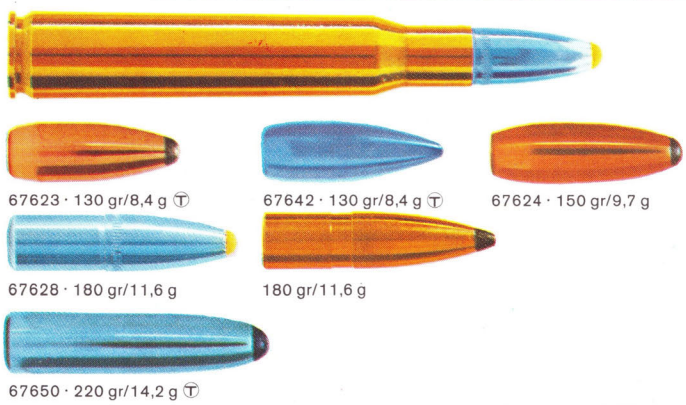
308 WIN.

17623	130	8.4	Soft point semi pointed boattail	.93	.308	67623	27623
17624	150	9.7	Soft point semi pointed boattail	1.00	.308	67624	27623
17626	180	11.6	Soft point "Dual-Core"	1.19	.308	—	27623
17628	180	11.6	Plastic Pointed "Dual-Core"	1.18	.308	67628	27623



308 NORMA MAGNUM

17637	180	11.6	Soft point "Dual-Core"	1.19	.308	—	27637



67623 · 130 gr/8,4 g Ⓣ

67642 · 130 gr/8,4 g Ⓣ

67624 · 150 gr/9,7 g

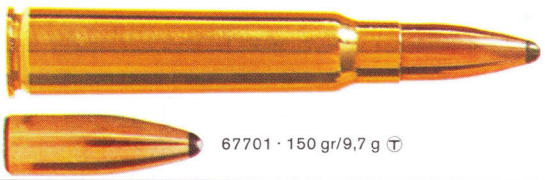
67628 · 180 gr/11,6 g

180 gr/11,6 g

67650 · 220 gr/14,2 g Ⓣ

30-06

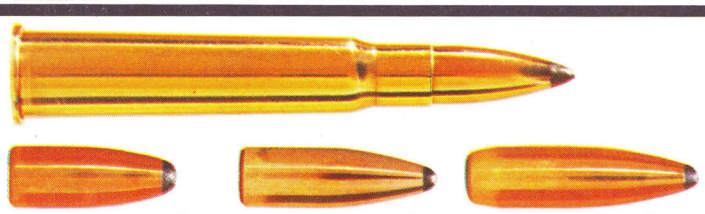
17640	130	8.4	Soft point semi pointed boattail	.93	.308	67623	27640
17642	130	8.4	Full jacket pointed boattail	1.02	.308	67642	27640
17643	150	9.7	Soft point semi pointed boattail	1.00	.308	67624	27640
17653	180	11.6	Plastic Pointed "Dual-Core"	1.18	.308	67628	27640
17649	180	11.6	Soft point "Nosler"	1.26	.308	—	27640
17650	220	14.2	Soft point round nose	1.33	.308	67650	27640



67701 · 150 gr/9,7 g Ⓣ

7.65 ARGENTINE

17701	150	9.7	Soft point semi pointed	1.00	.311	67701	27701



67711 · 130 gr/8,4 g Ⓣ

67701 · 150 gr/9,7 g Ⓣ

67713 · 180 gr/11,6 g Ⓣ

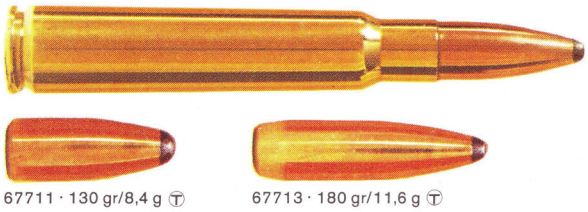
303 BRITISH

17711	130	8.4	Soft point semi pointed	.87	.311	67711	27711
17712	150	9.7	Soft point semi pointed	1.00	.311	67701	27711
17713	180	11.6	Soft point semi pointed boattail	1.18	.311	67713	27711

norma BALLISTICS

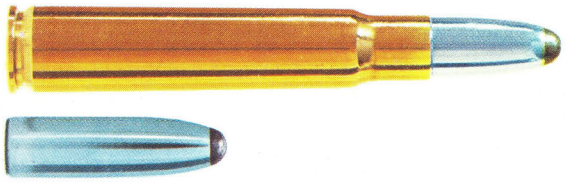
Norma primer	Cartr. length inch.	Norma powder no.	Load grains	Load grams	Press. psi	Velocity — Feet per sec. Muzzle	100 yards	200 yards	300 yards	Energy — Foot pounds Muzzle	100 yards	200 yards	300 yards	⊕ indicates preferable sighting range with line of sights 1½" above center of bore. + indicates point of impact in inches above, — in inches below sighting point. 25 yards	50 yards	100 yards	150 yards	200 yards	250 yards	300 yards	400 yards	500 yards
LR	2.82	203	45.2	2.93	48500	2624	2415	2222	2030	2749	2326	1970	1644	—0.4	+0.4	+1.0	⊕	—2.6	—7.0	—13.3	—31.5	—62.1
LR	2.50	201	35.5	2.30	44100	2410	2075	1790	1550	1934	1433	1066	799	—0.1	+0.8	+1.4	⊕	—3.7	—10.1	—19.6	—49.3	—96.6
LR	2.50	201	32.4	2.10	44100	2220	1890	1630	1410	1860	1350	1000	750	+0.1	+1.2	+1.8	⊕	—4.5	—12.3	—23.8	—60.7	—121.0
LR	2.62	200	40.6	2.63	52900	2900	2590	2300	2030	2428	1937	1527	1190	—0.5	+0.2	+0.8	⊕	—2.2	—6.1	—11.8	—29.9	—59.0
LR	2.65	201	45.5	2.95	52900	2860	2570	2300	2050	2725	2200	1760	1400	—0.5	+0.2	+0.8	⊕	—2.2	—6.1	—11.9	—29.8	—58.5
LR	2.70	203	44.3	2.87	52900	2610	2400	2210	2020	2725	2303	1952	1631	—0.4	+0.4	+1.0	⊕	—2.6	—7.0	—13.4	—32.8	—62.5
LR	2.70	203	44.3	2.87	52900	2610	2400	2210	2020	2725	2303	1952	1631	—0.4	+0.4	+1.0	⊕	—2.6	—7.0	—13.4	—32.8	—62.5
LR	3.25	205	76.7	4.97	55900	3100	2881	2668	2464	3842	3318	2846	2427	—0.4	+0.4	+1.4	+1.2	⊕	—2.5	—6.2	—18.3	—37.1
LR	3.11	203	57.5	3.72	50000	3280	2951	2636	2338	3108	2514	2006	1578	—0.5	+0.3	+1.2	+1.2	⊕	—2.4	—6.3	—19.0	—39.9
LR	3.11	203	57.5	3.72	50000	3280	2951	2636	2338	3108	2514	2006	1578	—0.5	+0.3	+1.2	+1.2	⊕	—2.4	—6.3	—19.0	—39.9
LR	3.13	203	54.7	3.54	50000	2970	2680	2402	2141	2943	2393	1922	1527	—0.3	+0.6	+1.7	+1.5	⊕	—3.0	—7.8	—23.2	—48.3
LR	3.17	203	50.0	3.24	50000	2700	2494	2296	2109	2914	2487	2107	1778	—0.1	+0.9	+2.0	+1.8	⊕	—3.4	—8.7	—25.2	—51.1
LR	3.21	203	50.0	3.24	50000	2700	2494	2296	2109	2914	2487	2107	1778	—0.1	+0.9	+2.0	+1.8	⊕	—3.4	—8.7	—25.2	—51.1
LR	3.25	203	47.3	3.06	50000	2410	2197	1996	1809	2840	2358	1947	1599	—0.2	+0.7	+1.2	⊕	—3.2	—8.7	—16.5	—40.5	—77.4
LR	2.85	201	47.8	3.10	50000	2920	2630	2355	2105	2841	2304	1848	1476	—0.5	+0.2	+0.7	⊕	—2.1	—5.8	—11.3	—28.4	—55.7
LR	2.78	200	39.4	2.55	47000	2790	2483	2195	1929	2246	1780	1391	1075	—0.4	+0.3	+0.9	⊕	—2.5	—6.7	—13.1	—33.1	—65.4
LR	2.95	201	44.6	2.89	47000	2720	2440	2170	1930	2465	1983	1569	1241	—0.4	+0.4	+0.9	⊕	—2.6	—6.9	—13.4	—33.7	—66.0
LR	2.97	203	43.7	2.83	47000	2540	2340	2147	1965	2579	2189	1843	1544	—0.3	+0.5	+1.0	⊕	—2.8	—7.5	—14.2	—34.7	—65.9

24 inch barrel length.



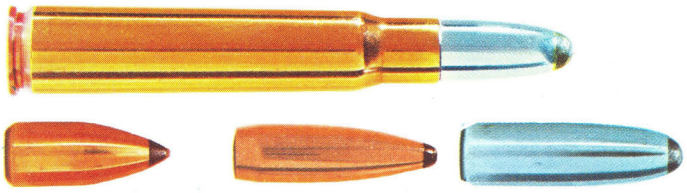
67711 · 130 gr/8,4 g Ⓣ 67713 · 180 gr/11,6 g Ⓣ

Cartr. index no.	Bullet weight grains	grams	Bullet style	Bullet length inch.	Bullet diam. inch.	Bullet index no.	Case index no.
7.7 JAP.							
17721	130	8.4	Soft point semi pointed	.87	.311	67711	27721
17722	180	11.6	Soft point semi pointed boattail	1.18	.311	67713	27721



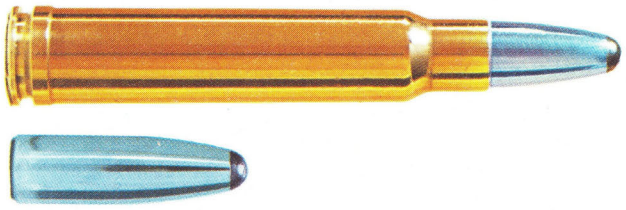
67901 · 196 gr/12,7 g Ⓣ

8×57 J							
17901	196	12.7	Soft point round nose	1.12	.318	67901	27901



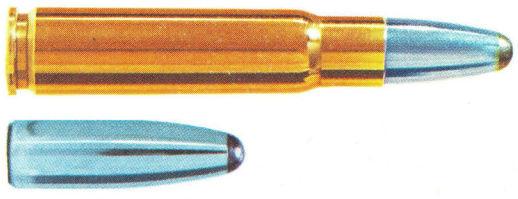
68001 · 123 gr/8,0 g 68002 · 165 gr/10,7 g Ⓣ 68003 · 196 gr/12,7 g Ⓣ

8×57 JS							
18001	123	8.0	Soft point semi pointed	.77	.323	68001	28001
18002	165	10.7	Soft point semi pointed boattail	1.02	.323	68002	28001
18003	196	12.7	Soft point round nose	1.10	.323	68003	28001



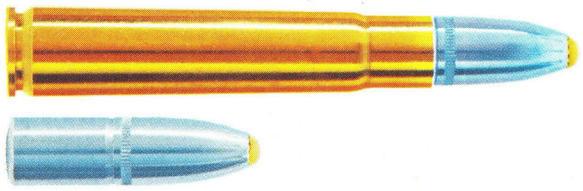
69001 · 250 gr/16,2 g Ⓣ

358 NORMA MAGNUM							
19001	250	16.2	Soft point semi pointed	1.18	.358	69001	29001



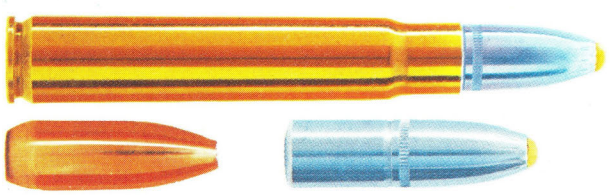
69001 · 250 gr/16,2 g Ⓣ

358 WIN.							
19005	250	16.2	Soft point semi pointed	1.18	.358	69001	29005



69303 · 286 gr/18,5 g

9.3×57							
19302	286	18.5	Plastic Pointed "Dual-Core"	1.30	.365	69303	29301



69321 · 232 gr/15,0 g Ⓣ 69303 · 286 gr/18,5 g

9.3×62							
19313	232	15.0	Hollow point boattail	1.05	.365	69321	29311
19314	286	18.5	Plastic Pointed "Dual-Core"	1.30	.365	69303	29311

norma BALLISTICS

Norma primer	Cartr. length inch.	Norma powder no.	Load grains	Load grams	Press. psi	Velocity — Feet per sec. Muzzle	100 yards	200 yards	300 yards	Energy — Foot pounds Muzzle	100 yards	200 yards	300 yards	⊕ indicates preferable sighting range with line of sights 1 1/2" above center of bore. + indicates point of impact in inches above, — in inches below sighting point. 25 yards	50 yards	100 yards	150 yards	200 yards	250 yards	300 yards	400 yards	500 yards
LR	2.84	203	50.0	3.24	39700	2952	2635	2340	2065	2513	2004	1581	1231	—0.5	+0.2	+0.7	⊕	—2.1	—5.8	—11.3	—28.8	—57.0
LR	3.03	203	45.2	2.93	39700	2493	2292	2101	1922	2484	2100	1765	1477	—0.3	+0.6	+1.1	⊕	—2.9	—7.8	—14.9	—36.3	—69.0
LR	2.97	203	47.1	3.05	48500	2526	2195	1894	1627	2778	2097	1562	1152	—0.2	+0.6	+1.2	⊕	—3.3	—9.1	—17.6	—45.2	—90.6
LR	2.76	200	43.2	2.80	50000	2888	2515	2170	1857	2277	1728	1286	942	—0.5	+0.3	+0.8	⊕	—2.4	—6.7	—13.1	—34.0	—68.9
LR	2.87	201	52.2	3.38	50000	2855	2563	2285	2028	2984	2405	1912	1506	—0.4	+0.2	+0.8	⊕	—2.3	—6.2	—12.0	—30.3	—59.5
LR	2.95	203	48.3	3.13	50000	2526	2195	1894	1627	2778	2097	1562	1152	—0.2	+0.6	+1.2	⊕	—3.3	—9.1	—17.6	—44.3	—90.6
LR	3.23	203	70.2	4.55	54400	2800	2493	2231	2001	4322	3451	2764	2223	—0.4	+0.3	+0.8	⊕	—2.4	—6.4	—12.4	—30.9	—59.2
LR	2.72	203	47.4	3.07	54400	2250	2010	1780	1570	2811	2243	1759	1369	±0.0	+1.0	+1.6	⊕	—4.0	—10.9	—21.0	—52.8	—104.0
LR	3.01	201	44.6	2.89	36700	2067	1818	1595	1404	2714	2099	1616	1252	+0.2	+1.4	+2.0	⊕	—5.0	—13.5	—25.8	—64.4	—125.6
LR	3.19	201	57.3	3.71	50000	2624	2304	2009	1742	3551	2735	2080	1564	—0.3	+0.5	+1.1	⊕	—3.1	—8.1	—15.7	—40.0	—79.7
LR	3.23	201	54.7	3.54	50000	2362	2088	1815	1592	3544	2769	2092.	1700	—0.1	+0.8	+1.4	⊕	—3.7	—10.0	—19.2	—48.2	—94.6

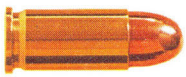
24 inch barrel length.

norma

CENTERFIRE PISTOL- & REVOLVER CARTRIDGES, BULLETS & CASES

25 ACP

Cartr. index no.	Bullet weight grains	Bullet weight grams	Bullet style	Bullet length inch.	Bullet diam. inch.	Bullet index no.	Case index no.	Norma primer	Cartr. length inch.	Norma powder no.	Load grains	Load grams	Press. psi	Velocity feet/sec.	Energy foot/pounds Muzzle	Barrel length inch.
16401	50	3.2	Full jacket round nose	.46	.251	—	26401	SP	.91	—	—	—	19100	810	100	2.0

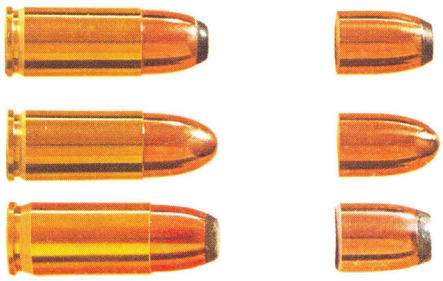


32 ACP

Cartr. index no.	Bullet weight grains	Bullet weight grams	Bullet style	Bullet length inch.	Bullet diam. inch.	Bullet index no.	Case index no.	Norma primer	Cartr. length inch.	Norma powder no.	Load grains	Load grams	Press. psi	Velocity feet/sec.	Energy foot/pounds Muzzle	Barrel length inch.
17614	77	5.0	Full jacket round nose	.49	.308	—	27614	SP	.98	P-1	1.9	0.125	26500	900	139	4.0

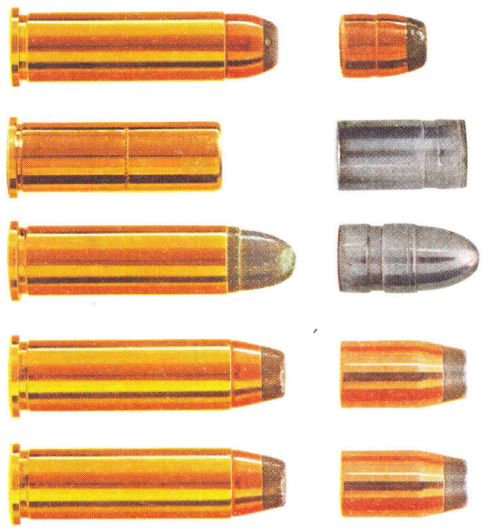
32 S & W

Cartr. index no.	Bullet weight grains	Bullet weight grams	Bullet style	Bullet length inch.	Bullet diam. inch.	Bullet index no.	Case index no.	Norma primer	Cartr. length inch.	Norma powder no.	Load grains	Load grams	Press. psi	Velocity feet/sec.	Energy foot/pounds Muzzle	Barrel length inch.
17801	85	5.5	Lead round nose	.51	.314	—	27801	SP	.93	P-1	1.2	0.080	17600	680	87	3.0



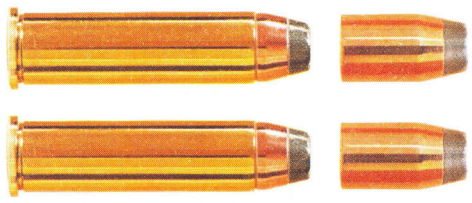
9 MM LUGER

Cartr. index no.	Bullet weight grains	Bullet weight grams	Bullet style	Bullet length inch.	Bullet diam. inch.	Bullet index no.	Case index no.	Norma primer	Cartr. length inch.	Norma powder no.	Load grains	Load grams	Press. psi	Velocity feet/sec.	Energy foot/pounds Muzzle	Barrel length inch.
19021	115	7.4	Hollow point	.57	.355	69021	29021	SP	1.11	2020	4.8	0.310	44100	1165	350	4.7
19022	116	7.5	Full jacket round nose	.60	.355	69010	29021	SP	1.16	2020	4.9	0.315	44100	1165	350	4.7
19026	116	7.5	Soft point flat nose	.53	.355	69026	29021	SP	1.11	2020	4.9	0.315	44100	1165	350	4.7



38 SPECIAL

Cartr. index no.	Bullet weight grains	Bullet weight grams	Bullet style	Bullet length inch.	Bullet diam. inch.	Bullet index no.	Case index no.	Norma primer	Cartr. length inch.	Norma powder no.	Load grains	Load grams	Press. psi	Velocity feet/sec.	Energy foot/pounds Muzzle	Barrel length inch.
19119	110	7.1	Hollow point	.51	.357	69123	29110	SP	1.46	1020	12.6	0.185	18600	1542	580	6.0
19110	148	9.6	Lead wadcutter	.65	.357	69110	29110	SP	1.16	1010	2.9	0.190	16600	800	210	6.0
19112	158	10.2	Lead round nose	.69	.357	69112	29110	SP	1.50	1010	4.1	0.265	15200	870	266	6.0
19121	158	10.2	Hollow point	.68	.357	69101	29110	SP	1.46	1010	4.6	0.300	18800	900	285	6.0
19124	158	10.2	Soft point flat nose	.73	.357	69107	29110	SP	1.48	1010	4.6	0.300	18800	900	285	6.0

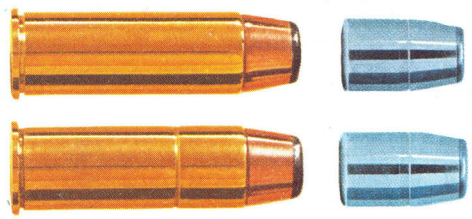


357 MAGNUM

Cartr. index no.	Bullet weight grains	Bullet weight grams	Bullet style	Bullet length inch.	Bullet diam. inch.	Bullet index no.	Case index no.	Norma primer	Cartr. length inch.	Norma powder no.	Load grains	Load grams	Press. psi	Velocity feet/sec.	Energy foot/pounds Muzzle	Barrel length inch.
19101	158	10.2	Hollow point	.68	.357	69101	29101	SP	1.59	1020	12.2	0.790	22600	1450	735	$8^3/_8$
19107	158	10.2	Soft point flat nose	.66	.357	69107	29101	SP	1.59	1020	12.2	0.790	22600	1450	735	$8^3/_8$

38 S & W

Cartr. index no.	Bullet weight grains	Bullet weight grams	Bullet style	Bullet length inch.	Bullet diam. inch.	Bullet index no.	Case index no.	Norma primer	Cartr. length inch.	Norma powder no.	Load grains	Load grams	Press. psi	Velocity feet/sec.	Energy foot/pounds Muzzle	Barrel length inch.
19131	146	9.5	Lead round nose	.65	.359	—	29131	SP	1.16	R-1	2.0	0.130	14000	730	173	4.0



44 MAGNUM

Cartr. index no.	Bullet weight grains	Bullet weight grams	Bullet style	Bullet length inch.	Bullet diam. inch.	Bullet index no.	Case index no.	Norma primer	Cartr. length inch.	Norma powder no.	Load grains	Load grams	Press. psi	Velocity feet/sec.	Energy foot/pounds Muzzle	Barrel length inch.
11101	236	15.3	Hollow point	.69	.430	61101	21101	LP	1.61	1020	18.6	1.210	31200	1675	1476	18.5
11102	236	15.3	Hollow point*	.69	.430	61101	21101	LP	1.61	1020	18.9	1.230	38500	1705	1526	18.5

*) Special carbine load, case cannelured for identification.

norma ADDITIONAL TARGET AND HUNTING BULLETS FOR HANDLOADING

The super accurate Norma bullets come in a great variety of calibers and styles, covering the entire range from the smallest varmint to the heaviest bear or moose, – and targets at all ranges.

6.5 MM (.264)

66522 · 80 gr/5,2 g

6.5 MM (.264)

66513 · 139 gr/9,0 g Ⓣ

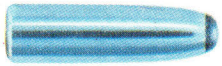
6.5 MM (.264)

66510 · 144 gr/9,3 g Ⓣ

30 CAL. (.308)

67602 · 146 gr/9,5 g Ⓣ

30 CAL. (.308)

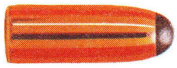


67648 · 180 gr/11,6 g Ⓣ

303 CAL. (.311)

67715 · 215 gr/14,0 g Ⓣ

8 MM (.318)



67902 · 159 gr/10,3 g Ⓣ

8 MM (.318)

67904 · 159 gr/10,3 g Ⓣ

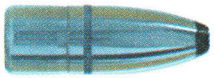
8 MM S (.323)

68010 · 154 gr/10,0 g

8 MM S (.323)

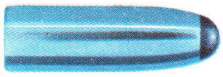
68004 · 196 gr/12,7 g Ⓣ

9.3 MM (.365)



69311 · 232 gr/15,0 g Ⓣ

9.3 MM (.365)



69301 · 286 gr/18,5 g Ⓣ

30 CAL. (.308)

67613 · 93 gr/6,0 g Ⓣ

45 CAL. (.451)

61121 · 230 gr/14,9 g Ⓣ

45 CAL. (.451)

61122 · 230 gr/14,9 g Ⓣ

Helpful hints for the handloader

Using Norma cartridge components, you can assemble a great many different handloads for various purposes. Correct handling of components and tools is important both for performance and economy in handloading.

1

The handloader will either use the factory load or a more or less reduced load for less recoil in target practice. Some barrels will also produce a somewhat higher degree of accuracy with a slightly different powder charge. Increasing the factory load is not recommended. Very little can be gained in velocity, and the increased breech pressure will result in more wear on gun and cartridge case. Neither is the accuracy improved, and overloads can be dangerous.

2

Be sure your fired cases are free from sand or dirt they may have picked up on the shooting range, and sort out cases which show excessive wear or beginning splits.

3

Use only reliable loading data, intended for the powder type you are using, and be sure you are loading the correct bullet weight for that powder charge. Normally you can use the same load for both full jacketed and soft point, hollow point etc bullets, as long as the bullet weight is the same.

4

Correct lubrication of the case is extremely important, otherwise both the case and the die can be destroyed. The special lubricant supplied by reloading tool makers is strongly recommended. Oil should not be used.

5

For most rifle cartridges sufficient "bullet pull" can be obtained without a case mouth crimp. Most revolver and pistol cartridges need this type of crimp to hold the bullet firmly in the case during recoil. Note that a revolver will pull the bullets of unfired rounds out of the case, an automatic pistol will push bullets in the magazine into the case. A correct crimp is very necessary when loading lead bullets. Insufficient crimp will not provide enough resistance to make the powder burn cleanly.

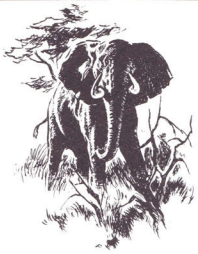
6

Be careful when cleaning primer pockets especially if a metal tool is used. Scratched primer pockets may result in gas leakages.

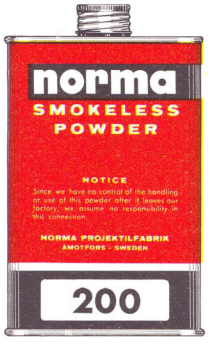
7

Correctly performed handloading is a safe, easily learned and extremely interesting hobby that enables you to have more hours of entertainment, and to shoot much more for your money. Norma has an extensive line of cases, bullets, primers and powders for this purpose.

RIFLE POWDERS

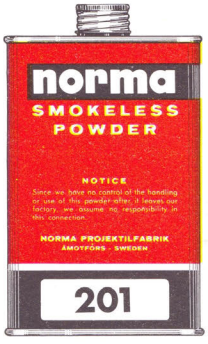


The Norma rifle powders 200–205 were especially developed by the Norma Ballistic Laboratory with the handloader in mind and covers an extremely wide range of calibers from the smallest varmint types to the heavy magnums. (Canisters of 400 grams net).



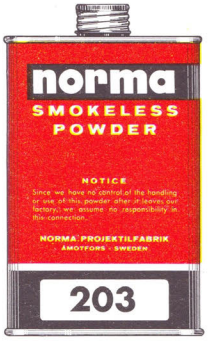
NORMA 200

A fast-burning powder, for small capacity cartridge cases such as the 222, but also most excellent for use with light bullets and/or light loads in larger calibers.



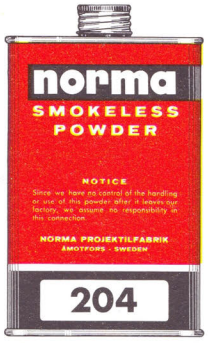
NORMA 201

Slower than the 200, used with the lighter bullets in medium-size cases, or with some big-caliber cartridges where there is a large bore volume to be filled up quickly by the expanding gases.



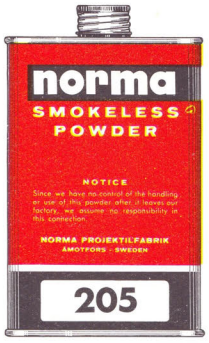
NORMA 203

The 203 is adjusted to fit the medium-sized cartridge types such as the 30-06, 303 British, European 7 and 8 MM's etc. unless light bullets necessitate a faster powder.



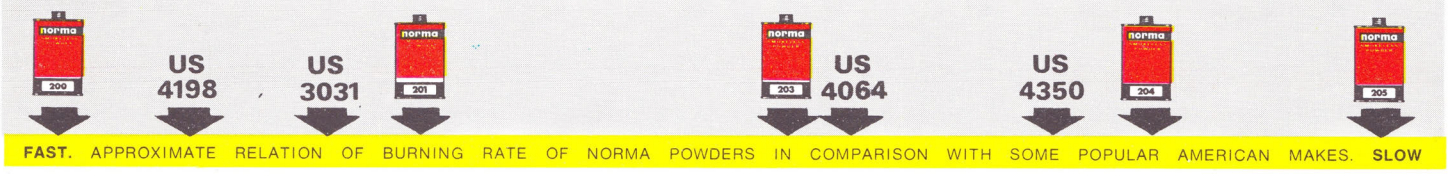
NORMA 204

A slow-burning powder, especially adapted for cartridges with a large case capacity and/or using heavy bullets in relation to the caliber.

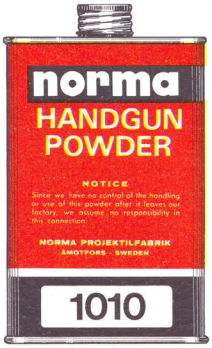


NORMA 205

An exceptionally slow-burning, high-energy powder for highest velocity with large capacity cases. A must for Magnums.

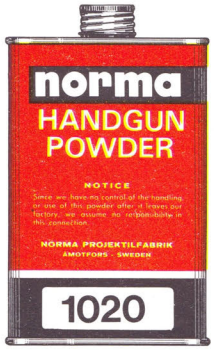


HANDGUN POWDERS



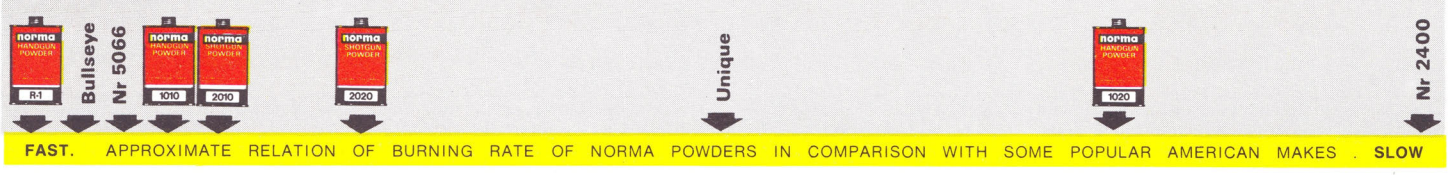
THE NORMA 1010

is a fast burning easily ignited powder for revolver and pistol ammunition. It is produced from a double base composition and consequently it is virtually non-hygroscopic. As a result velocities and pressures show little change if the powder is exposed to very dry or damp conditions. The granules are of such a shape that they flow very freely in the powder measure thereby ensuring higher load to load uniformity. Canisters of 9 oz. (255 grams)

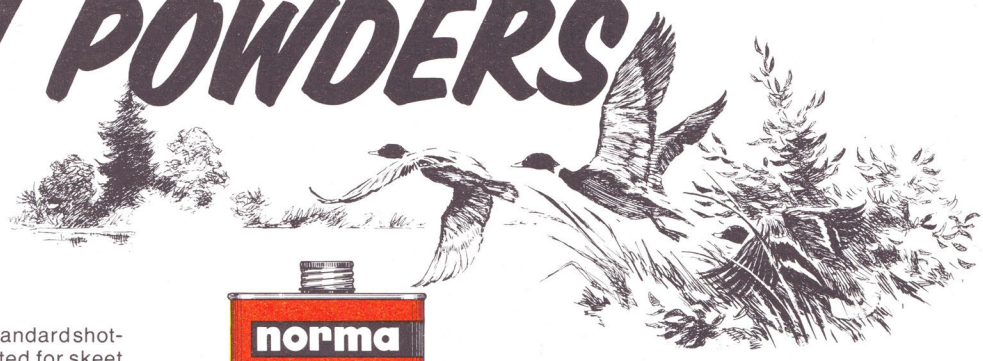


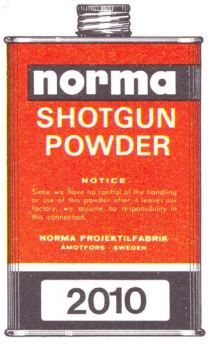
THE NORMA 1020

is a slower burning powder especially designed for high velocity loads at economical charge weights in Magnum handgun calibers. Like Norma 1010 it is produced from a double base composition and thus is virtually non-hygroscopic. The small disc shaped granules have excellent flow properties and the powder is eminently suitable for use in powder measures. Canisters of 15 oz. (425 grams)

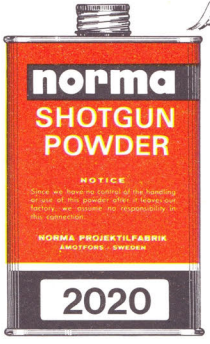


SHOTGUN POWDERS





THE NORMA 2010
has been designed for light and standard shotshell loads and is especially suited for skeet and trap cartridges. It is a double base powder and is virtually nonhygroscopic. In addition it contains ingredients which reduce the gas temperature and consequently the barrel temperature and it is thus particularly easy on both the shell and the gun. The special method of manufacture employed gives granules with excellent flow properties, the thickness being such that they will not bind in the powder measure. Canisters of 8 oz. (227 grams)

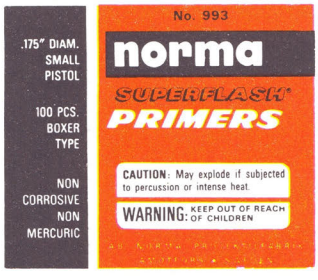


THE NORMA 2020
is a slower burning powder specially designed for Magnum and hunting loads with heavier shot charge. It is similar in composition and granule form to Norma 2010 and possesses all the excellent properties of the latter powder. Both powders are suitable for use in all climatic conditions.
Canisters of 10 oz. (284 grams)

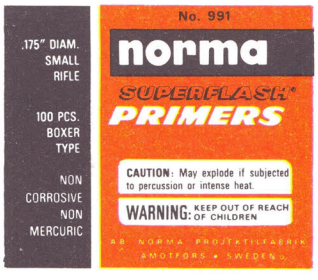
For loading data, see your dealer.

norma PRIMERS

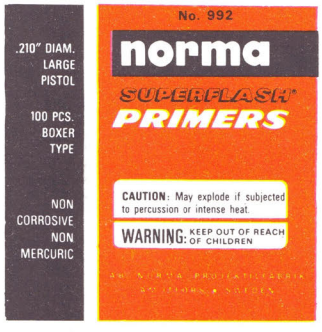
The Norma primer program consists of four types that cover the entire range of rifle and handgun ammunition, eliminating the necessity of a special magnum primer. Norma primers incorporate in every detail the most advanced metallurgical and chemical developments. They are noncorrosive and contain no mercury or abrasive ingredients that increase barrel wear.



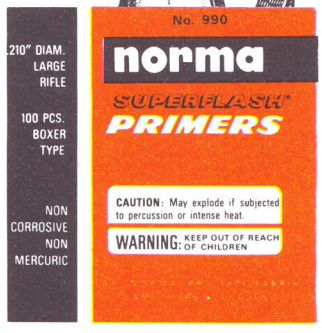
SMALL PISTOL (SP)
175" diameter, for revolver and automatic pistol cartridges.



SMALL RIFLE (SR)
175" diameter, for small caliber rifle cartridges, such as 222, 30 US Carbine and others.



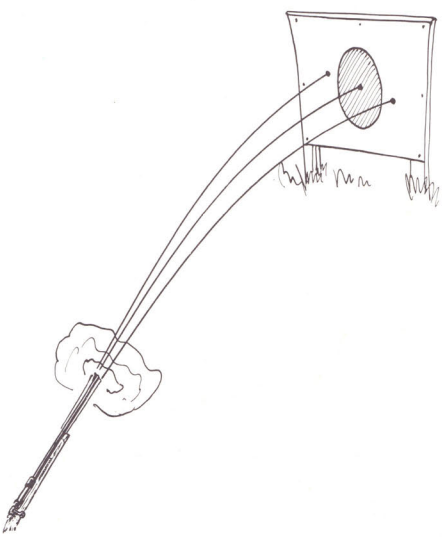
LARGE PISTOL (LP)
210" diameter, for large caliber revolver and automatic pistol cartridges.

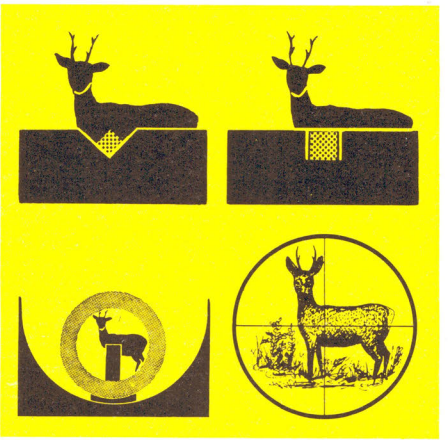


LARGE RIFLE (LR)
210" diameter, for rifle cartridges, including magnums.

Do you hit where you aim?

It is of course extremely important that a gun is properly targeted or sighted in before it is used in the hunting field. Wood for instance is a "live" material, and it is quite normal that the wood of a rifle stock changes a little from one hunting season to another, exerting a little different pressure on the barrel and thereby changing the point of impact.
Sighting in a rifle is best carried out while sitting at a steady table with a relatively soft support for the left hand. A series of 3–5 shots carefully squeezed off with a proper hold on the target will show the position of the mean point of impact. It will then be relatively easy to adjust the sights properly. The ammunition used for this purpose is not waisted, since even the best hunter needs a few practise shots now and then. As a matter of fact, the best hunters are usually the ones that practise the most.
Different bullet weights will give different points of impact because their trajectory is different. Further the power that drives the bullet towards the target will also make the barrel vibrate in a rather complex fashion, the muzzle moving along a more or less elliptical path. True enough this movement is very small, but depending on "where the barrel points" the moment the bullet leaves the muzzle the point of impact will differ. You may therefore find one rifle hitting the target in a different place than another when changing bullet weights.





Not even the most elaborate ballistic tables can cope with all these things, the only true answer can be obtained by sitting down and test firing exactly the type of ammunition you will be using for your hunt.
The sights are an extremely important part of the rifle. You have to see where you are aiming in order to shoot properly. Don't hesitate to mount a wide post type front sight and have your gunsmith open up the rear sight notch if you feel this gives you a clearer sight picture. The receiver sight is an advantage over the regular front and rear open sights, since your eye then only has to worry about two things, namely the front sight and the target. The scope is the most advanced type of sight, it brings everything you need to see together in one picture and even enlarges it. However, the scope only makes the shooter see better, it doesn't really make a good shooter out of a bad one. It takes practise to become a good shooter, nobody fires more practise shots than the world champions. That's what made them world champions!

norma

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AB NORMA PROJEKTILFABRIK · S-670 40 ÅMOTFORS · SWEDEN

Printed in Sweden Arvika Tryckeriaktiebolag

Loading data for Norma rifle powders

This is a series of loads worked out by the Norma Ballistic Laboratory, using Norma cartridge components. These loads will also be suitable with other makes of primers having standard ignition properties and with other makes of bullets of equal weight and diameter.

In factory loading, chronographs and pressure guns are being used along with the loading machines, and powder charges can be adjusted to correct velocity whenever a new batch of powder goes into use. The handloader must have powders with which he can use standard loading data. Therefore, certain batches of powders which exceptionally well conform with "canister specifications" are set aside and packed for the canister trade. This is the explanation why you do not always find the same quantity of powder in the loading table and in a factory loaded cartridge. The muzzle velocity, however, is the same, and that is what counts.

For long range data to the following loads, consult the Norma ballistic table. To avoid mistakes, always underline the loads you want to use!

The information presented is based upon the results obtained in our Ballistic Laboratory, and is offered without charge as an aid to handloaders to be employed at their own discretion and risk. Safe loading practies should be observed at all times. Since we have no control over the circumstances of handloading we assume no liability for the results obtained and we guarantee only that our product meets our manufacturing standards.

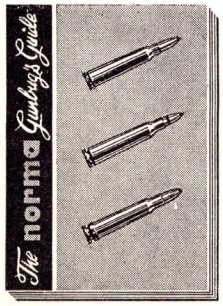
The ballistics shown in the table are averages of ten shot strings fired in 24 inch barrels.

.220 Swift

BULLET					Cartridge length		Norma	Load		Muzzle vel.		Pressure	
Index no.	Style	Weight grains	Weight grams	Diam.	inch.	MM	powder	grains	grams	f/sec.	m/sec.	psi	atm.
501	Soft point semi pointed	50	3.2	.224	2.62	67	203	40.9	2.65	4110	1253	52100	3545
563	Soft point pointed	55	3.6	.224	2.66	68	203	39.8	2.58	3840	1170	54200	3688
.222 Rem.													
501	Soft point semi pointed	50	3.2	.224	2.11	54	200	21.0	1.36	3200	975	45500	3096
563	Soft point pointed	55	3.6	.224	2.15	55	200	21.0	1.36	3050	930	50000	3402
.243 Win.													
503	Hollow point	75	4.9	.243	2.66	68	203	42.8	2.77	3500	1067	45100	3069
504	Soft point semi pointed	90	5.8	.243	2.54	65	204	45.3	2.93	3180	969	49600	3375
566	Soft point semi pointed	100	6.5	.243	2.62	67	204	45.1	2.92	3070	936	43000	2926
.244 Rem.													
503	Hollow point	75	4.9	.243	2.74	70	203	42.3	2.74	3500	1067	41200	2803
504	Soft point semi pointed	90	5.8	.243	2.74	70	204	44.2	2.86	3200	975	41600	2831
.250 Savage													
505	Soft point semi pointed	87	5.6	.257	2.44	62	203	35.4	2.29	3030	924	45500	3096
506	Soft point semi pointed	100	6.5	.257	2.44	62	203	32.7	2.12	2820	860	41500	2824
507	Soft point semi pointed	120	7.8	.257	2.44	62	203	31.3	2.03	2640	805	46600	3171
.257 Roberts													
505	Soft point semi pointed	87	5.6	.257	2.78	71	204	50.5	3.27	3360	1024	54000	3674
506	Soft point semi pointed	100	6.5	.257	2.76	70	203	37.8	2.45	2900	884	41100	2796
507	Soft point semi pointed	120	7.8	.257	2.79	71	203	36.6	2.37	2650	808	39700	2700
6.5 Jap.													
508	Soft point semi pointed boattail	139	9.0	.264	2.84	72	203	32.8	2.12	2428	740	32200	2191
509	Soft point round nose	156	10.1	.264	2.89	73	203	29.3	1.90	2067	630	31600	2150
6.5x54 MS													
510	Soft point semi pointed	77	5.0	.264	2.56	65	203	40.5	2.62	3116	950	41100	2796
508	Soft point semi pointed boattail	139	9.0	.264	2.93	74	203	37.8	2.45	2575	785	43800	2980
509	Soft point round nose	156	10.1	.264	3.01	76	203	37.5	2.43	2461	750	45000	3062
6.5x55													
510	Soft point semi pointed	77	5.0	.264	2.62	67	200	37.8	2.45	3116	950	41800	2844
511	Full jacket pointed	93	6.0	.264	2.70	69	203	45.2	2.93	3150	960	41200	2803
508	Soft point semi pointed boattail	139	9.0	.264	2.99	76	204	46.6	3.02	2788	850	47100	3205
509	Soft point round nose	156	10.1	.264	3.07	78	204	44.2	2.86	2493	760	47100	3205
.270 Win.													
514	Soft point semi pointed	110	7.1	.277	3.15	80	204	59.1	3.83	3250	991	45000	3062
515	Soft point semi pointed boattail	130	8.4	.277	3.15	80	204	57.0	3.69	3140	957	48500	3300
518	Soft point semi pointed boattail	150	9.7	.277	3.23	82	204	52.4	3.39	2800	853	47400	3225
7x57													
519	Soft point semi pointed	110	7.1	.283	2.87	73	203	45.8	2.97	3067	935	47100	3205
520	Soft point semi pointed boattail	150	9.7	.283	3.05	77	203	44.1	2.86	2756	840	47100	3205
523	Soft point semi pointed boattail	160	10.4	.283	3.03	77	203	44.2	2.86	2707	825	50000	3402
522	Soft point round nose	175	11.3	.283	3.07	78	203	42.3	2.74	2490	759	47700	3246
7x61 S&H (26 inch barrel)													
519	Soft point semi pointed	110	7.1	.283	3.03	77	203	58.5	3.79	3480	1061	54400	3701
520	Soft point semi pointed boattail	150	9.7	.283	3.15	80	204	63.2	4.09	3150	960	54000	3674
523	Soft point semi pointed boattail	160	10.4	.283	3.19	81	205	64.0	4.15	3100	945	49000	3334
522	Soft point round nose	175	11.3	.283	3.19	81	205	64.5	4.18	2940	896	51600	3511
.30-30 Win.													
561	Soft point flat nose	150	9.7	.308	2.50	63	201	35.5	2.30	2410	735	41900	2851
526	Soft point flat nose	170	11.0	.308	2.50	63	201	32.4	2.10	2220	677	41200	2800
.308 Win.													
529	Soft point semi pointed boattail	130	8.4	.308	2.56	65	200	40.6	2.63	2900	884	47800	3252
630	Soft point semi pointed boattail	150	9.7	.308	2.74	70	201	45.5	2.95	2860	872	48500	3300
528	Soft point semi pointed boattail	180	11.6	.308	2.74	70	203	44.3	2.87	2610	796	49000	3334
7.62 Russian													
529	Soft point semi pointed boattail	130	8.4	.308	2.72	69	203	54.6	3.54	3100	945	48000	3266
630	Soft point semi pointed boattail	150	9.7	.308	2.81	71	203	52.0	3.37	2936	895	48000	3266
528	Soft point semi pointed boattail	180	11.6	.308	2.82	72	203	45.2	2.93	2624	800	41900	2851
534	Soft point round nose	220	14.2	.308	2.85	72	203	44.9	2.91	2395	730	48000	3266

.30-06

Index no.	BULLET Style	Weight grains	Weight grams	Diam.	Cartridge length inch.	Cartridge length MM	Norma powder	Load grains	Load grams	Muzzle vel. f/sec.	Muzzle vel. m/sec.	Pressure psi	Pressure atm.
529	Soft point semi pointed boattail	130	8.4	.308	3.03	77	203	57.5	3.72	3280	1000	47000	3198
630	Soft point semi pointed boattail	150	9.7	.308	3.21	81	203	54.7	3.54	2970	905	44500	3028
528	Soft point semi pointed boattail	180	11.6	.308	3.21	81	203	50.0	3.24	2700	823	45300	3082
534	Soft point round nose	220	14.2	.308	3.25	82	203	47.3	3.06	2410	735	43700	2973
.308 Norma Magnum													
529	Soft point semi pointed boattail	130	8.4	.308	3.07	78	204	78.8	5.10	3560	1085	53300	3627
630	Soft point semi pointed boattail	150	9.7	.308	3.23	82	204	77.3	5.01	3350	1021	54000	3674
578	Soft point semi pointed	180	11.6	.308	3.25	82	205	76.7	4.97	3100	945	51600	3511
534	Soft point round nose	220	14.2	.308	3.31	84	204	69.0	4.47	2810	857	54100	3681
.300 H&H													
630	Soft point semi pointed boattail	150	9.7	.308	3.56	90	203	63.6	4.12	3020	921	53800	3661
528	Soft point semi pointed boattail	180	11.6	.308	3.56	90	204	69.3	4.49	2920	890	47700	3246
534	Soft point round nose	220	14.2	.308	3.60	91	204	63.2	4.09	2620	800	48800	3320
7.65 Argentine													
536	Soft point semi pointed	130	8.4	.311	2.68	68	201	50.9	3.30	3084	940	50000	3402
564	Soft point semi pointed	150	9.7	.311	2.85	72	201	47.8	3.10	2920	890	46200	3143
537	Soft point semi pointed boattail	180	11.6	.311	2.87	73	203	46.5	3.01	2739	835	46000	3130
538	Soft point round nose	215	14.0	.311	2.95	75	203	43.9	2.84	2411	735	50000	3402
.303 British													
536	Soft point semi pointed	130	8.4	.311	2.78	71	200	39.4	2.55	2790	850	40500	2756
564	Soft point semi pointed	150	9.7	.311	2.95	75	201	44.6	2.89	2720	829	40000	2722
537	Soft point semi pointed boattail	180	11.6	.311	2.97	75	203	43.7	2.83	2540	774	42300	2878
538	Soft point round nose	215	14.0	.311	3.05	77	203	39.4	2.55	2180	664	41900	2851
7.7 Jap.													
536	Soft point semi pointed	130	8.4	.311	2.84	72	203	50.0	3.24	2952	900	38600	2626
564	Soft point semi pointed	150	9.7	.311	2.91	74	201	47.1	3.05	2724	830	39000	2654
537	Soft point semi pointed boattail	180	11.6	.311	3.03	77	203	45.2	2.93	2493	760	38000	2586
538	Soft point round nose	215	14.0	.311	3.13	79	203	43.5	2.82	2264	690	37500	2552
8x57 J													
573	Soft point round nose	159	10.3	.318	2.86	73	203	50.0	3.24	2724	830	46500	3164
539	Soft point round nose	196	12.7	.318	2.97	75	203	47.1	3.05	2526	770	45700	3109
8x57 JRS													
541	Soft point semi pointed	123	8.0	.323	2.78	71	200	42.0	2.72	2690	820	39700	2701
542	Soft point round nose	159	10.3	.323	2.85	73	203	48.4	3.14	2592	790	38900	2647
540	Soft point round nose	196	12.7	.323	2.95	75	203	45.5	2.95	2395	730	39000	2654
544	Hollow point boattail	198	12.8	.323	3.11	79	203	46.6	3.02	2461	750	39200	2667
546	Soft point round nose	227	14.7	.323	2.91	74	203	43.0	2.79	2200	671	39700	2701
8x57 JS													
541	Soft point semi pointed	123	8.0	.323	2.75	70	200	43.2	2.80	2888	880	44300	3014
542	Soft point round nose	159	10.3	.323	2.85	72	203	50.9	3.30	2724	830	44600	3035
540	Soft point round nose	196	12.7	.323	2.95	75	203	48.3	3.13	2526	770	47100	3205
544	Hollow point boattail	198	12.8	.323	3.11	79	203	49.4	3.20	2624	800	47700	3246
546	Soft point round nose	227	14.7	.323	2.93	74	203	45.5	2.95	2329	710	47100	3205
.358 Win.													
547	Soft point semi pointed	200	13.0	.358	2.68	68	201	48.3	3.13	2530	771	42100	2864
548	Soft point semi pointed	250	16.2	.358	2.72	69	203	47.4	3.07	2250	686	41000	2790
.358 Norma Magnum													
547	Soft point semi pointed	200	13.0	.358	3.15	80	203	76.0	4.92	3120	951	53900	3667
548	Soft point semi pointed	250	16.2	.358	3.23	82	203	70.2	4.55	2800	853	51100	3477
9.3x57													
549	Hollow point boattail	232	15.0	.365	2.97	75	201	49.4	3.20	2329	710	36000	2449
550	Soft point round nose	286	18.5	.365	3.01	76	201	44.6	2.89	2067	630	35500	2415
9.3x62													
549	Hollow point boattail	232	15.0	.365	3.19	81	201	57.3	3.71	2624	800	47100	3205
550	Soft point round nose	286	18.5	.365	3.23	82	201	54.7	3.54	2362	720	47700	3246
.375 H&H													
553	Soft point semi pointed	270	17.5	.375	3.58	91	203	70.5	4.57	2740	835	48200	3280
554	Soft point semi pointed	300	19.4	.375	3.58	91	203	67.1	4.35	2550	777	45100	3069



The Norma Gunbug's Guide

If you are interested in further loading data, consult the Norma "Gunbug's Guide", an inexpensive booklet available from your Norma dealer. There you will also find interesting articles on about 30 other topics concerning ammunition and handloading, such as how to handle your brass for maximum performance, how bullet velocity and breech pressure are measured, how ammunition is manufactured etc. For the young gun enthusiast, Norma has the new "Beginner's Guide" available free of charge.

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